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ONE HUNDRED AND TENTH
ANNUAL REPORT

OF THE

South Carolina State
Hospital

FOR THE YEAR ENDING JUNE 30, 1933

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PRINTED UNDER THE DIRECTION OF THE
JOINT COMMITTEE ON PRINTING
GENERAL ASSEMBLY OF SOUTH CAROLINA

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GENERAL ASSEMBLY OF SOUTH CAROLINA

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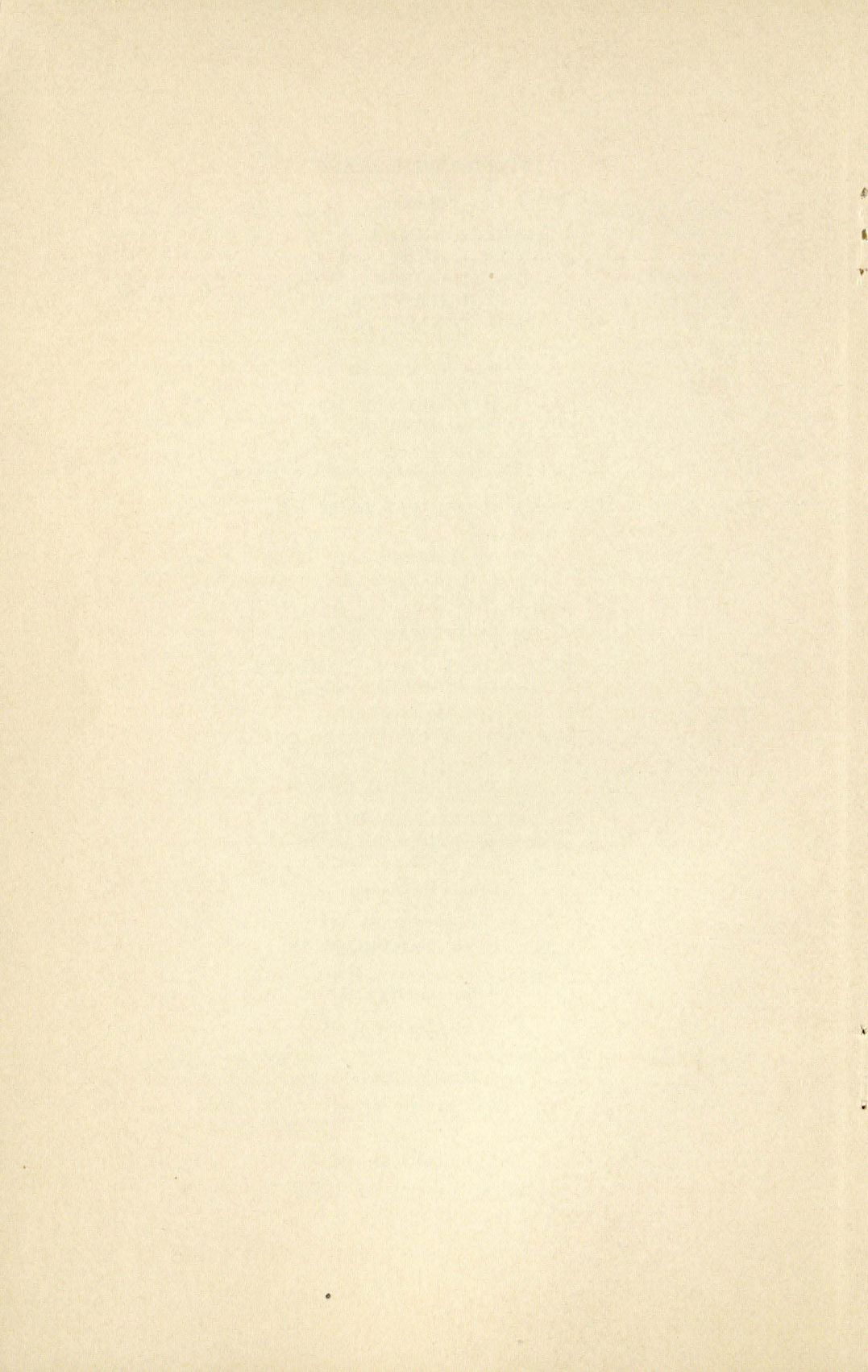
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REPORT OF THE REGENTS

Columbia, S. C., July 1, 1933.

To His Excellency, Ibra C. Blackwood, Governor:

In obedience to the Statutes, the Board of Regents beg leave to present the one hundred and tenth annual report of the operations of the South Carolina State Hospital for the fiscal year ending June 30, 1933.

For the details of the activities of the various departments you are respectfully referred to the superintendent's report hereto attached.

We are glad to report that the hospital has met in a fairly satisfactory way the trying experiences of the past year. This was largely due to the low cost of supplies and the hearty co-operation of the people of the State in relieving the hospital of the care of all patients possible.

But conditions have grown steadily worse. Increased demands for admission have come about, and it has become more difficult to get patients home. In spite of efforts to restrict admissions, the overcrowding has steadily increased. The cost of supplies has materially advanced and the Board must of necessity view the situation with considerable alarm.

The Board feels that its duty is to lay before you the facts as it sees them.

It is not the desire of the authorities of the hospital nor of the Board to close the doors and admit patients only as vacancies occur by death or discharge, but our first responsibility is to those already in our care and we cannot in justice to them further jeopardize their physical or mental health by further overcrowding. The doors will not be closed if it is within our power to keep them open, but it is a plain fact that we cannot continue to admit all who need to come unless the hospital is given additional buildings and equipment.

The chief purpose of the hospital is to furnish proper medical and psychiatric treatment to those citizens of the State who may need its care, with the purpose of curing them in the shortest time possible and returning them to normal life. To accomplish these objectives overcrowding should be avoided, and an efficient nursing and medical personnel maintained.

During the past year the hospital was operated on a daily per capita cost of \$0.5780. This was extremely low and was only accomplished by means of the strictest economy and by deferring certain expenses, such as the upkeep of buildings and grounds and the repair and replacement of equipment, which will inevitably increase future operating costs.

The Board feels that the high standard of treatment and care of patients which has been developed at the State Hospital has been on the whole satisfactorily maintained during the past year in spite of the low per capita cost. This has been due to the efficiency and loyalty of the superintendent, of the medical and nursing staff, and in fact of the entire organization, and the Board here formally expresses its deep appreciation for their untiring efforts.

The prices of supplies of practically all kinds are advancing rapidly, and it will be impossible for the hospital to maintain proper standards and do what is necessary for the patients on the basis of the present appropriation. This was made when price levels were much lower than they are today.

We respectfully urge that you bring this situation forcibly to the attention of the General Assembly at the first opportunity.

The Board of Regents will at the proper time present to the officials of the United States Government Public Works Program the needs of the hospital and are hopeful that some relief for the overcrowded condition may be obtained from this source. Unless such relief can be had it will be necessary for the Board to present to the General Assembly in the strongest manner possible the situation which the hospital now faces, and in spite of the financial condition of the State, of which the Board is fully cognizant, earnestly ask for an appropriation for building purposes. Otherwise, as stated above, the hospital will be forced to close its doors to many patients who should be treated.

The Board feels that the people of the State should be proud of the hospital and of its recognized standing among similar institutions in the United States. During the past year a number of visits were made to the hospital by those in charge of other institutions in various States, and most favorable comments were made by these visitors on the work of the institution.

In recognition of his outstanding work the superintendent of the hospital, Dr. C. F. Williams, was chosen president-elect of

the American Psychiatric Association at the annual meeting of the Association held in Boston last June. This is a signal honor to Dr. Williams and to the hospital and the Board feels is a deserved recognition of the work he has been doing for the people of the State.

Respectfully submitted,

CHRISTIE BENET, Chairman

FRANK H. BARNWELL

A. W. REYNOLDS

DAN'L L. SINKLER

J. E. SIRRINE

Board of Regents, South Carolina State Hospital.

REPORT OF THE SUPERINTENDENT

Columbia, S. C., July 1, 1933.

*To the Board of Regents of the South Carolina State Hospital,
Columbia, S. C.*

Gentlemen: In compliance with your requirements the annual report for the fiscal year ending June 30, 1933 is herewith respectfully submitted.

This report, so far as the statistical data are concerned, embraces a nine months' period—from October 1, 1932 to June 30, 1933, inclusive—instead of the customary twelve months. This is deemed advisable to prevent duplication in the study of statistical data.

The financial report covers the period from July 1, 1932 to June 30, 1933, inclusive.

GENERAL STATISTICS—OCTOBER 1, 1932 THROUGH JUNE 30, 1933

	White Males	White Females	Colored Males	Colored Females	Total
Patients on books of hospital at beginning of hospital year	906	1,043	854	893	3,696
Admissions during nine months:					
First admissions	219	167	109	94	589
Re-admissions	59	53	18	17	147
Total received during nine months	278	220	127	111	736
Total on books during nine months	1,184	1,263	981	1,004	4,432
Discharged from books during nine months	95	62	34	35	226
As recovered	11	8	7	9	35
As improved	20	32	19	19	90
As unimproved	8	8	..	1	17
As without psychosis	56	14	8	6	84
Died during nine months	68	36	62	53	224
Total discharged and died during nine months	163	98	96	93	450
Patients remaining on books of hospital at end of nine months:					
In hospital	848	953	781	825	3,407
On parole or otherwise absent	173	212	104	86	575
Total	1,021	1,165	885	911	3,982

ADMISSIONS

There was a decrease in the number of admissions as compared with a similar period last year. During the nine months 736 patients were received. Classified according to color and sex there were 278 white men; 220 white women; 127 colored men and 111 colored women.

The reduction was due in part to lack of room and efforts of the authorities to admit only those patients who were acutely in need of hospital treatment. This was made necessary in order to prevent further overcrowding and to have sufficient room for the acute and violent.

Even though lack of room caused the refusal of admission of 194 persons, overcrowding still exists, there being in the hospital 454 more patients than the capacity.

DISCHARGES

There were 226 discharges during the nine months. When compared with the number discharged during the first nine months of the last fiscal year a marked decrease will be noted. This is due to the extension of the parole period from six months to one year, effective April 15, 1932, in accordance with an amendment by the 1932 General Assembly.

Of those discharged 35 were regarded as recovered; 90 improved; 17 unimproved; and 1 was transferred to the State Training School.

Of those without psychosis, 37 were alcoholics; 2 drug addicts; and 12 were court cases.

DEATHS

A slight decrease occurred in the death rate which for 1932, based upon the entire number treated, was 5.7%. For the period reported it was only 5.05%.

There were 224 deaths: 68 or 5.7% were white men; 36 or 2.8% white women; 62 or 6.3% colored men; and 58 or 5.7% colored women.

The death rate continues higher among the colored. This can be explained by the fact that many of them were brought to the hospital in practically a moribund condition. However, there was a marked reduction in the death rate of the colored race, particularly the men, the percentage being reduced from 9.4% to 6.3%.

GENERAL HEALTH

It is gratifying to note that no epidemics, serious accidents nor suicides occurred, and that the health of the patients and employees was good.

MEDICAL DEPARTMENT

There were no changes in the personnel of the medical staff.

The work of the medical department continued in a satisfactory manner. Staff meetings were held regularly once a week in each department, and proper medical care of the patients was maintained.

Attention is called to the continued progress report of Dr. Bruce Mayne, to whom reference has been made in previous reports. He and his co-worker, Mr. H. E. Hingst, members of the U. S. Public Health Service, continue the study of malaria therapy of paresis and are rendering a valuable service.

SURGICAL DEPARTMENT

The following table shows the operations performed by the consulting and resident staff.

Appreciation is expressed to the consulting staff for their ready response to calls upon their time.

Operations were performed upon 21 white men, 4 colored men and 1 white woman from the S. C. Penitentiary, who were provided with proper care and treatment until they were well enough to be moved. The total number of days they remained in the hospital was 255.

One maternity case, a white woman, from the penitentiary remained in the hospital 17 days.

OPERATIONS PERFORMED ON PATIENTS IN
THIS INSTITUTION FROM OCTOBER 1,
1932 TO JUNE 30, 1933

Appendectomies	16
Herniotomies	21
Hysterectomies	3
Blood transfusions	6
Mastectomy both breasts—carcinoma	1
Laparotomies	2
Hemorrhoidectomies	9
Incision and drainage of perinephritic abscess	1
Excision of sebaceous cyst	1
Thoracotomies	3
Excision of lymph gland of face and neck for diagnostic purposes	1
Osteotomy for correction of congenital deformity of finger	1
Reduction of fracture and application of cast:	
Humerus	4
Radius	3
Femur	2
Tibia	1
Amputations:	
Foot	1
Leg	1
Finger	1
Toe	1

OPERATIONS PERFORMED ON PATIENTS FROM
THE SOUTH CAROLINA PENITENTIARY
FROM OCTOBER 1, 1932 TO JUNE 30, 1933

Appendectomies	11
Herniotomy	1
Rectal fistulectomy	1
Circumcisions	2
Incision and drainage of abscess of neck	1
Closed reduction of fracture and application of cast:	
Radius	1
Tibia	1

UROLOGIC CLINIC

The work accomplished by the urologic department is shown in the following table:

Urethroscopic examinations	14
Cystoscopic examinations	23
Conditions Treated:	
Chancroids	6
Gonorrhea	22
Stricture urethra	12
Stricture ureter	1
Epididymitis	1
Orchitis	2
Trauma of external genitalia	1
Varicocele	1
Phimosis	1
Prostatic abscess	1
Hypertrophy of prostate	20
Acute prostatitis	1
Psychopathic sexualis	4
Traumatic hematuria	1
Hemorrhage from kidney—acute nephritis	1
Chronic cystitis	8
Acute cystitis	5
Vesical calculus	1
Paralysis of bladder	2
Pyo-nephritis	1
Nephroptosis	1
Nephrolithiasis	7
Stone in ureter	1
Peri-renal abscess	1
Atrophy of testicle	1
Pyelitis	6
Syphilis—standardized and intensive treatment	14
Acute hydrocele	1
Chronic hydrocele with degeneration of testicle	1
Hydrocele of cord	1
Chronic hydrocele	4
Inguinal adenitis	2
Urinary fistula	1

Chronic vaginitis	2
Routine examinations (no G. U. condition)	4
Specific Treatments:	
Topical applications	3
Circumcisions	2
Drainage of prostatic abscess under spinal anesthetic.	1
Drainage of inguinal adenitis	1
Vaginal abscess	1
Peri-renal abscess drained	1
Uroselectan	3
Neo—and sulph-arsphenamine—doses	182
Bismuth—doses	166
Mercurisol—doses	28
Dilatation strictures of urethra	44
Dilatation ureter	10
Kidney lavage	20
Drainage hydrocele	1
Radical hydrocele operation	1
Testicle removed	1
Cauterization of cervix	4
Electro cauterization of chancroid under spinal anesthetic	1
Cauterization vera montana	9
Prostatic treatments with Bradford-Lewis heater	10
Office treatments—irrigation, prostatic massages, etc., not otherwise listed	522
General parietic cases treated with typhoid para typhoid bacterine	33

EYE, EAR, NOSE AND THROAT CLINIC

The detailed report given below shows in particular the nature and amount of work performed in this department:

EYE

External diseases, including stytes, chalazions, etc.	121
Ophthalmoscopic or eye ground examinations	637
Trauma various parts of eye	43
Refractions under cycloplegics	73

Cyst removed	1
Foreign bodies removed	22
Cilia removed	4
Pterygium removed	1
Cataract extraction—local anesthetic	3
Cataract extraction—ether anesthetic	1
Enucleation	2
Trichiasis and entropion—local anesthetic	1
Chalazion removed—local anesthetic	1
Squint—ether anesthetic	1
Needling diabetic cataracts—local anesthetic	2
Needling secondary cataracts—local anesthetic	1
Laceration, wound lower lid, sutured	1

EAR

Routine examinations	163
Furuncle—external auditory canal	8
Cerumen or wax removed	50
Eustachian catheterization	162
Chronic purulent otitis media	1
Acute purulent otitis media	29
Chronic catarrhal otitis media	16
Acute catarrhal otitis media	4
Post auricular abscess	1
Foreign body in ear	1
Traumatic rupture of ear drum	1
Sebaceous cyst of ear removed—local anesthetic	1
Eczema of ear	3
Carcinoma of external ear	1
Radical removal of external ear—ether anesthetic	1

NOSE AND THROAT

Routine examinations of nose	765
Furuncle of nose	3
Furuncle of nose—facial erysipelas	1
Trauma, nose	7
Acute colds	164
Sub-mucous resection nasal septum	121
Ulcer nasal septum	5
Fracture of nose	3

Ozena, nose	2
Excoriation vestibule of nose	1
Osteoma of ethmoid	1
Mucocele of ethmoid	1
Chronic ethmoiditis	20
Chronic sphenoiditis	7
Anterior ethmoidectomy—local anesthetic	1
External radical ethmoidectomy—local anesthetic	1
Turbinectomies (middle)	12
Bilateral radical antrum, ethmoid and sphenoid—local anesthetic	1
Radical ethmoidectomy and sphenoidectomy—local anesthetic	1
Radical ethmoidectomies—local anesthetic	9
Sphenoidectomies—local anesthetic	4
Acute frontal sinusitis	13
Chronic maxillary sinusitis	3
Acute pan sinusitis—bilateral	1
Caldwell-Luc (antrum)—local anesthetic	2
Puncture and irrigation of antrum	2
Puncture and irrigation of maxillary sinus—local anesthetic	1
Routine examinations of throat	747
Larynx examinations	46
Vincent's angina	3
Acute laryngitis	23
Acute pharyngitis	9
Acute tonsillitis	82
Supra-tonsillar abscess	2
Retro-pharyngeal abscess	1
Retro-tonsillar abscess	2
Incised wound of neck	1
Injection superior laryngeal nerve with alcohol for tuber- culosis of larynx	2
Carcinoma of lip—local anesthetic	1
Tonsillectomies—local anesthetic	252
Tonsillectomies—ether anesthetic	34
Adenoidectomies—local anesthetic	8
Adenoidectomies—ether anesthetic	7
Conservative mastoidectomies—local anesthetic	3
Conservative mastoidectomies—ether anesthetic	4

Modified radical mastoidectomies—ether anesthetic	2
Cultures, smears and X-ray examinations made whenever indicated	

LABORATORY

The following table shows the work performed in the pathological and X-ray laboratories.

PATHOLOGICAL

Wassermann on blood	1,009
Wassermann on spinal fluid	297
Routine examination spinal fluid	310
Blood counts	193
Blood sugar	41
Clotting time blood	21
Blood urea	22
Blood cultures	4
Blood matching	43
Creatinin	3
Feces	19
Quantitative sugar (spinal fluid)	4
Icterus index	1
Smear from brain	1
Smear from pleural cavity	1
Vaginal smears	5
Prostate smears	1
Throat cultures	3
Eye cultures	1
Sputum	10
Gastric analysis	5
Vincent's angina	3
Mastic test	3
Malaria	15
Colloidal gold	47
Quantitative urinalysis	4
Urinalysis	1,361
Autopsies	9

X-RAY

X-ray exposures	358
X-ray treatment cancer	16
X-ray treatment skin diseases	1
Fluoroscopic examinations	14

PHYSIOTHERAPY

Diathermy treatments	21
Mercury Quartz Light treatments	60
Basal metabolic tests	16

PERCENTAGE OF POSITIVE BLOOD WASSERMANN'S
From October 1, 1932 to July 1, 1933

White Men			White Women			Colored Men			Colored Women		
Positive	Negative	Per Cent	Positive	Negative	Per Cent	Positive	Negative	Per Cent	Positive	Negative	Per Cent
28	342	7.	12	283	4.	37	140	21.4	28	139	16.8

PERCENTAGE OF POSITIVE SPINAL FLUID WASSERMANN'S

17	67	20	5	18	21.7	26	135	17.2	9	30	23
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DENTAL CLINIC

Below is given in detail the work done in this clinic.

Examinations	2,490
Anesthetics	1,937
Extractions	2,679
Impactions removed	11
Bridges removed	16
Bridges	1
Bridges repaired	3
Bridges reset	4
Gold crowns removed	13
Alloy fillings	71
Porcelain fillings	22
Temporary fillings	1
Dentures	14

Dentures repaired	14
Gold crowns reset	2
Inlays reset	3
Fractured mandible reset	3
Vulcanite splints	1
Vincent's angina treatments	3
Treatments	300
Patients ordered to bed	61
Visits to wards	34
Tooth brushes distributed	276
X-ray exposures	288
Requisitions—for money for dental work not furnished by the hospital	81
Deposits—money received in compliance with requests	24

MENTAL HYGIENE

This department's activities were continued in conjunction with the social service department with a psychiatrist and two social service workers. The primary function of this department is that of a preventive nature. Educational work was done with the hope of disseminating information to enable individuals to have a better understanding of mental hygiene. It was necessary, however, to confine a large part of the time to examination, diagnosis and treatment of individuals.

Clinics were held regularly in the lower half of the State as follows:

Columbia—every Monday at the Columbia Hospital.

Orangeburg—on alternate Wednesdays—County Health Office.

Florence—alternate Thursdays—A. C. L. "Y" building.

Charleston—alternate Fridays—Roper Hospital, Mitchell School and No. 10 Wragg Square.

In the upper half of the State clinics were held at:

Rock Hill—alternate Tuesdays—Fennell Infirmary.

Spartanburg—alternate Wednesdays—Spartanburg General Hospital.

Greenville—alternate Thursdays—Greenville City Hospital.

Anderson—alternate Fridays—Anderson County Hospital.

The following table shows the visits during the nine months period from October 1, 1932 to July 1, 1933.

	W.M.	W.F.	C.M.	C.F.	Total
New patients	199	161	17	13	390
Paroled patients	33	7	11	1	52
Return visits for treatment	535	457	24	17	1,033
Consultations (physicians)	26	20	2	6	54
Total	793	645	54	37	1,529

The majority of new patients were referred by physicians, social agencies and public school authorities. This service, however, is being sought more and more voluntarily. It is preferred that the individual consult the family physician before attending the clinic in order to secure the fullest cooperation.

The cooperation given by the various social agencies, schools and homes was likewise very gratifying.

Considerable time was devoted to the study and treatment of behavior problems, particularly those manifesting themselves in schools. During the past nine months forty such problems were handled and the results indicated that this work was well worth while.

A series of lectures on mental hygiene and mental disease were again given to the Nurses' Training School at the Columbia Hospital, the Spartanburg General Hospital, and the Greenville City Hospital.

Miss Margaret Wingo of Spartanburg assisted in this department for several months during the absence of one of the social workers.

SOCIAL SERVICE

This department is concerned with the welfare of the patients in the hospital and in preventive work with borderline cases on the outside.

The duties of the social service worker may best be described as follows: securing histories, pre-parole investigations and parole visits, clinic and educational work.

Histories: In order to reach a correct diagnosis and institute proper treatment it is often essential to secure additional information regarding the patient. The social service worker visits the home to obtain a complete family and personal history, as well as facts about the mental symptoms shown by the patient. It is often also necessary to interview the neighbors, family physician and former employer to secure a clear cut picture of the patient's early life and events leading up to his breakdown.

Similar information is secured on all criminal cases committed to the hospital for observation.

Pre-parole and parole visits: Relatives of patients who have made a social recovery are often reluctant to take them home. This is often due to fear caused by the suicidal or homicidal tendencies shown prior to commitment. The worker can do much to change this feeling, as well as to educate the relatives in the normal attitude which should be assumed toward the patients.

Those on parole are visited as frequently as possible and are encouraged to assume their former role in the family and community life.

Clinic work: In the clinics the worker assists by securing histories of all patients who attend them, and by following up the various cases to see that the recommendations of the physician are carried out.

Local social service workers are interviewed and their cooperation secured in furnishing material relief, such as medicine and special diet, often necessary in the treatment.

With problem children the worker attempts educational work with parents and endeavors to change attitudes which are in many cases the basis of the difficulty.

Educational work: During the past nine months there has been great activity in this direction; one of the workers making talks on mental hygiene subjects to parent-teacher groups, college classes and mothers' clubs. There is no phase of this service more important than educating the public in regard to the principles of sound mental health.

TRAINING SCHOOL FOR NURSES

No changes occurred in the personnel of the heads of the school.

Mr. D. T. Albert has been acting supervisor of the white male service during the long illness of Mr. C. Y. Nesbit, supervisor.

On June 2nd diplomas were awarded four graduates at the exercises held in the State Hospital auditorium. On the previous evening they received certificates from Roper Hospital, Charleston, for the completion of the nine months' affiliation course there.

Members of the 1933 graduation class were: Misses Nola Corley, June Ham, Sarah Longshore and Edna Riddle.

OCCUPATIONAL THERAPY

Although greatly handicapped by lack of space and equipment, much satisfactory work was accomplished in this department.

The scope of the mending facilities was quite enlarged by equipping the upper story of the laundry for this purpose.

Many patients were provided with diversion and occupation outside the class rooms by assisting in the vegetable and flower gardens, on the yards and farms, helping with caring for the wards, in the bakery, dairies, and in every phase of hospital activity.

AMUSEMENTS

Recreation and amusement are of such value in bringing about improvement that they are provided as much as possible.

Some forms of entertainment enjoyed by the patients were Field Day sports, a Halloween party, Thanksgiving and Christmas celebrations, State Fair for both white and colored, circus parades and performances, weekly dances and sound-on-film moving pictures, and occasional truck rides about the city.

RELIGIOUS SERVICES

Services were conducted regularly every Sunday at Columbia and at State Park by Rev. Wm. H. Stender. He also held religious meetings weekly for the employees, visited patients on the wards, attended staff meetings and conducted services for all patients interred in the hospital cemetery.

Many patients were visited by ministers of the various denominations in the city.

IMPROVEMENTS AND REPAIRS

Minor repairs were made where necessary to keep the hospital plant in good condition. No permanent improvements were made during the past nine months.

NEEDED IMPROVEMENTS

For several years the reports have called attention to the overcrowded condition of the hospital and the need for additional room. Not in recent times has the need been so acute.

No additional quarters have been provided in the past two years, and the demand for admission and hospital care is greater than ever before.

Only by the fullest cooperation of the judges of probate, county officials and examining physicians and the public at large has the hospital been able to care for the more acute cases.

To do this and keep the overcrowding to the minimum it has been necessary during the nine months' period to refuse admission to 194 persons. No doubt many hardships were worked upon a number of these individuals and their families as well as the communities, and some of them were probably denied their only hope of health and life itself.

Unfortunately this condition will have to continue until additional room is provided for, as pointed out in detail in last year's report, further overcrowding must be avoided if humanly possible.

FIRE DEPARTMENT

Regular inspections relative to fire hazards were made by Mr. E. M. Dickert who, in addition to other duties, is in charge of the hospital fire department.

At regular intervals fire drills were conducted for the patients, and practice runs were made by the entire department.

Appreciation is again expressed to Chief Marsh and his men of the Columbia Fire Department for their interest and assistance.

CRIMINAL INSANE

The Court of General Sessions committed 13 patients to the hospital during the past nine months. Of these one was found insane; 6 mentally deficient; 3 psychopathic personalities; and 3 not insane.

Attention is once more called to the need of a proper building for the criminal insane.

VOLUNTARY COMMITMENTS

There were 19 voluntary commitments. This is the preferred method of admission as better cooperation is secured from the voluntary cases, but because of the overcrowding this necessarily had to be discouraged.

Many persons seeking admission were sent to the mental hygiene clinics for advice and treatment.

ACKNOWLEDGMENTS

Acknowledgment and appreciation is expressed for the loyal spirit of cooperation manifested by the officers and employees in carrying on the activities of the hospital; without such cooperation the work of the institution could not have continued successfully.

Gratitude is due each member of the Board of Regents for the assistance given and the sympathetic understanding of the many problems presented.

Thanks are extended to the many friends who donated money and numerous gifts for the benefit of the patients.

Respectfully submitted

C. F. WILLIAMS

Superintendent.

CONTINUED PROGRESS REPORT OF THE
MALARIA THERAPY SECTION OF THE
UNITED STATES PUBLIC HEALTH
SERVICE

Dear Doctor Williams: I have the honor to submit herewith a report of progress of activities engaged in through concerted investigations of the South Carolina State Hospital and the United States Public Health Service.

Our principal work has been continuing the effort of a cooperative plan in maintaining a central depot for the distribution of material employed in malaria therapy of paresis throughout the United States. We have, as heretofore, taken advantage of the facilities generously provided by the State Hospital in continuance of the research endeavors and routine operations of the past two years. Our methods of organizing malaria therapy are not confined to the local institution, as there have been constant demands from other centers for the introduction of malaria treatment. For example: our methods maintained at the State Hospital have been introduced through personal visits to such widely removed centers as the United States Marine Hospital in Baltimore and the two State Hospitals in the State of Maine located at Augusta and Bangor. In the latter institutions the work was installed at the request of the Commissioner of Health of the State of Maine and on account of the unusual nature of the work in the State, the lack of familiarity of natural malaria incidence, it was necessary to go through the methods in a fundamental way. All of the familiar modes of therapy by blood inoculations, mosquito biting and infection of mosquito gland sporozoites were introduced at the two State of Maine Hospitals. An entire week was devoted to this instructional work; and aside from the purely hospital routine, it was found desirable to demonstrate with illustrated lectures and microscopic display of blood and mosquito parasites with recently infected material brought for the purpose from the South Carolina State Hospital.

In the two Maine institutions a total of 22 patients were inoculated with a variety of malaria material. We had the satisfaction of learning subsequently that all of these patients reacted to injection of the viable malaria parasites.

Advances have been made during the past year in a material way by the installation of a 22-cubic feet electric refrigerator for

the maintaining of the proper temperature and humidity for the cultures employed in our work. Also a new dark room including a photomicrograph camera and paraphernalia for making copies and transparency enlargements for future educational work throughout the State. Recently an insectory was built with funds provided by the United States Government with the hope of having a continuous supply of infectious mosquitoes to carry on our work here and in other centers.

In an educational way, demonstrations and lectures have been held in the State Medical Society in Spartanburg, South Carolina, where photographic reproductions were exhibited, showing malaria material used in therapy of paresis. At the Orangeburg County Medical Society a Malaria Symposium was held and a discussion of methods used in the State Hospital was engaged in, and a thorough understanding of the therapy of paresis was carried out. In addition, lectures were held at the Columbia Medical Society, State Hospital Graduate Nurses' Association and the Columbia Medical Club.

The chief piece of research engaged in during the past year has been the use of mosquito sporozoites in the propagation of malarial fevers. This work was carried out on a large scale on account of the proposal to substitute potent infectious material in supplanting the cumbersome and expensive distribution of live mosquitoes throughout the United States. In this preliminary trial results of experimental transportation tests were made at the following places: Miami, Florida; Richmond, Virginia; and San Francisco, California. The aim has been to maintain these organisms, sporozoites dissected from the salivary glands of malaria infected mosquitoes, in viable form, in more suitable culture media in glass serum bottles. It has been found desirable to keep these organisms alive for a maximum period to assure their remaining viable during transit over the greatest distance required at any point in the United States. This we have been successful in doing as demonstrated by an actual transportation test and the proven viability of the parasites in our culture tubes maintained in the State Hospital electric refrigerator. A report made in a U. S. Public Health Bulletin shows the successful maintenance of these malaria organisms for a period of five days and only recently this maximum has been increased from five

and seven to ten days by actual infection of patients in malaria therapy applied in our own hospital.

Since the work was instituted we have received word from the British Ministry of Health in London that they were desirous of making experimental trials of our methods in their own mental hospitals, and a mass of requests for material has been received from Czechoslovakia, England, Western United States and other distant points.

In addition to experimental therapy with atebirin carried over from the previous year, an effort was made to encourage the application of alkaline solutions of quinine, which has been found to be more efficacious than the synthetic drugs, particularly in relation to prevention of relapse malaria.

MISCELLANEOUS ACTIVITIES

Citrated Blood Containing P.vivax and P.malaria, Obtained from Patients at the S. C. State Hospital, sent to:

- U. S. Veterans Hospital, Tuskegee, Ala.
- Central State Hospital, Petersburg, Va.
- State Hospital, Morganton, N. C.
- State Charity Hospital, New Orleans, La.
- Mountain State Hospital, Charleston, W. Va.
- Private Physicians, Miami, Fla. (approved by U. S. Gov. Bureau)
- University Hospital, Richmond, Va.
- U. S. Veterans Hospital, Johnson City, Tenn.
- State Hospital, Middletown, Conn.
- Vanderbilt University Medical School, Nashville, Tenn.
- U. S. Marine Hospital, Key West, Fla.
- State Hospital, Milledgeville, Ga.
- City Clinic, Council Bluff, Iowa.
- State Hospital, Binghamton, N. Y.
- U. S. Marine Hospital, Norfolk, Va.
- St. Francis Hospital, Charleston, W. Va.
- Mosquito Sporozoites in culture media furnished:
 - Miami, Fla.
 - Charity Hospital, New Orleans, La.
 - San Francisco, Calif.
 - City Hospital, Richmond, Va.

Walter Reed Hospital, Washington, D. C.	
Furnishing Stained Blood Specimens of Malaria Parasites:	
U. S. National Institute of Health, Washington, D. C.	
U. S. Public Health Service Bureau, Washington, D. C.	
U. S. Naval Medical School, Washington, D. C.	
U. S. Army Medical School, Washington, D. C.	
U. S. Navy Hospital, Philadelphia, Pa.	
Zoology Dept., University of Pennsylvania.	
Zoology Dept., University of California.	
Office of Field Investigations Malaria, Memphis, Tenn.	
Blood smears examined for S. C. State Hospital other than routine checking up	114
Blood smears examined for local physicians and individuals	66
Total	180

Respectfully submitted,

BRUCE MAYNE.

STATISTICAL TABLES

PSYCHOSES OF FIRST ADMISSIONS

PSYCHOSES	White Males	White Females	Colored Males	Colored Females	Total
Traumatic psychoses .....	..	..	1	..	1
Senile psychoses	7	3	..	6	21
Psychoses with cerebral arteriosclerosis	17	4	5	..	27
General paralysis	10	5	14	6	35
Psychoses with cerebral syphilis	1	..	..	..	1
Psychoses with Huntington's chorea .....	..	1	..	1	2
Psychoses with brain tumor	2	..	..	..	2
Psychoses with other brain or nervous diseases, total	23	1	..	..	5
Other diseases	23	1	..	..	5
Alcoholic psychoses, total	16	..	1	..	17
Delirium tremens	7	..	1	..	8
Other types, acute or chronic	9	..	..	..	9
Psychoses due to drugs and other exogenous toxins, total	1	1	..	..	2
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined	1	1	..	..	2
Psychoses with pellagra	6	12	9	14	41
Psychoses with other somatic diseases, total	9	12	10	9	40
Cardio-renal diseases	6	11	10	8	35
Other diseases or conditions	3	1	..	1	5
Manic-depressive psychoses, total	45	43	24	31	143
Manic type	21	18	20	24	83
Depressive type .....	..	23	4	7	34
Other types	24	2	..	..	26
Involution melancholia	5	14	..	1	20
Dementia præcox (schizophrenia)	17	22	10	13	62
Paranoia and paranoid conditions	2	6	..	1	9
Epileptic psychoses	8	8	9	3	28
Psychoneuroses and neuroses, total	7	13	..	1	21
Hysterical type	5	6	..	1	12
Psychasthenic type (anxiety and obsessive forms) .....	..	1	..	..	1
Neurasthenic type	2	6	..	..	8
Psychoses with psychopathic personality	2	1	..	..	3
Psychoses with mental deficiency	7	4	6	2	19
Undiagnosed psychoses	3	3	3	..	9
Without psychosis, total	52	14	9	6	81
Epilepsy without psychosis .....	..	..	2	..	2
Alcoholism without psychosis	28	..	2	..	30
Drug addiction without psychosis	2	2	..	..	4
Psychopathic personality without psychosis	3	1	..	..	4
Mental deficiency without psychosis	7	2	4	1	14
Others	12	9	1	5	27
TOTAL	219	167	109	94	589

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

WHITE RACE

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Senile	7	3	10		
With cerebral arteriosclerosis	17	4	21		
General paralysis	10	5	15		
With cerebral syphilis	1	..	1		
With Huntington's chorea	..	1	1		
With brain tumor	2	..	2		
With other brain or nervous diseases	2	1	3		
Alcoholic	16	..	16		
Due to drugs and other exogenous toxins	1	1	2		
With pellagra	6	12	18		
With other somatic diseases	9	12	21		
Manic-depressive	45	43	88	3	2	5	7	7	14	3	4	7	7	11	18	5	4	9	4	7	11	2	2	4	9	1	10	3	3	6	2	1	4	1	1		
Involution melancholia	5	14	19		
Dementia præcox	17	22	39	7	2	9	2	7	9	2	3	5	3	1	4	1	5	6	1	..	1	..	3	3	
Paranoia and paranoid conditions	2	6	8		
Epileptic psychoses	8	8	16	..	1	1	..	2	2	2	2	4	..	3	3	3	..	3		
Psychoneuroses and neuroses	7	13	20		
With psychopathic personality	2	1	3		
With mental deficiency	7	4	11		
Undiagnosed psychoses	3	3	6		
Without psychosis	52	14	66	4	..	4	1	3	4	4	2	6	10	3	13	7	1	8	6	2	8	7	2	9	6	..	6		
TOTAL	219	167	386	..	1	1	14	7	21	15	24	39	11	21	32	37	21	58	23	19	42	15	15	30	22	23	45	31	13	44	19	13	32	13	6	19	5	2	7	10	2	12	4	..	4

AGE OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

COLORED RACE

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over			Unascertained			
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T				
Traumatic	1	..	1	1	..	1	
Senile	5	6	11	
With cerebral arteriosclerosis	6	..	6	1	2	3	
General paralysis	14	6	20	1	1	2	..	4	..	4	4	..	4	..	2	..	2	..	1	1	1	1	2	3	1	..	1	1	..	2	2	1	
With Huntington's chorea	1	1	1	1	2	3	
With other brain or nervous diseases	2	..	2	1	..	1	1	..	1	
Alcoholic	1	..	1	1	..	1	
With pellagra	9	14	23	..	1	1	..	1	1	1	2	3	..	3	3	3	2	2	4	..	1	1	5	1	2	7	3	2	2	1	1	1
With other somatic diseases	10	9	19	3	3	3	3	3	3	3	3	1	4	2	..	2	1	1	1	2	4	2	6	1	1	2	1	..	1
Manic-depressive	24	31	55	7	6	13	5	6	11	3	5	8	2	5	7	3	3	6	1	2	3	1	1	2	..	2	2	..	1	1	4	2	6	1	1	2	1	..	1	..	2
Involution melancholia	1	1	2	2	4	4	5	9	..	2	2	..	1	1	1	2	3	1	..	1	1	..	1	1	1
Dementia praecox	10	13	23	2	2	4	4	5	9	..	2	2	..	1	1	1	2	3	1	..	1	1	..	1	1	1
Paranoia and paranoid conditions	1	1	1	1
Epileptic psychoses	9	3	12	2	1	3	2	1	3	3	1	4	1	..	1	1	..	1
Psychoneuroses and neuroses	1	1	1	..	1
With mental deficiency	6	2	8	2	..	2	1	..	1	1	1	2	..	1	1	2	..	2
Undiagnosed psychoses	3	..	3	1	1	1	..	1	1
Without psychosis	9	6	15	2	6	8	2	..	2	1	..	1	1	..	1	1	..	1	1	..	1	1	1
TOTAL	109	94	203	2	7	9	16	10	26	15	14	29	10	13	23	8	9	17	13	10	23	7	6	13	8	6	14	3	6	9	6	4	10	10	5	15	3	2	5	3	1	4	5	1	6	

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
WHITE RACE

PSYCHOSES	Total			Illiterate			Reads and Writes			Common School			High School			College			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile	7	3	10	..	..	..	2	..	2	5	1	6	..	1	1	..	1	1	..	..	..
With cerebral arteriosclerosis	17	4	21	3	..	3	1	..	1	13	2	14	..	1	1	..	1	1	..	..	..
General paralysis	10	5	15	..	1	1	2	1	3	7	2	9	1	1	2	..	2	2	..	..	..
With cerebral syphilis	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
With Huntington's chorea .....	..	1	1	..	1	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
With brain tumor	2	..	2	..	..	..	..	..	..	1	..	1	1	..	1	..	..	..	..	..	..
With other brain or nervous diseases	2	1	3	..	..	..	..	..	..	1	1	2	1	..	1	..	..	..	..	..	..
Alcoholic	16	..	16	..	..	..	..	..	..	14	..	14	2	..	2	..	..	..	..	..	..
Due to drugs, and other exogenous toxins	1	1	2	..	..	..	..	..	..	1	..	1	..	1	1	..	..	..	..	..	..
With pellagra	6	12	18	1	2	3	2	4	6	3	5	8	..	1	1	..	..	..	..	..	..
With other somatic diseases	9	12	21	1	1	2	..	4	4	7	5	12	..	2	2	1	..	..	..	..	..
Manic-depressive	45	43	88	2	1	3	3	4	7	29	20	49	6	11	17	4	7	11	1	..	1
Involution melancholia	5	14	19	..	..	..	..	..	3	9	12	..	3	3	2	4	..	..	..	..	..
Dementia præcox	17	22	39	1	..	1	1	3	4	9	12	21	4	3	7	2	4	6	..	..	..
Paranoia and paranoid conditions	2	6	8	..	..	..	1	..	1	1	3	4	..	2	2	..	1	1	..	..	..
Epileptic psychoses	8	8	16	1	3	4	..	12	12	6	3	9	..	..	1	..	1	..	..	..	..
Psychoneuroses and neuroses	7	13	20	1	..	1	..	5	5	5	4	9	1	2	3	..	1	1	..	1	1
With psychopathic personality	2	1	3	..	..	..	..	..	..	1	1	1	1	1	1	..	1	..	..	..	..
With mental deficiency	7	4	11	3	..	3	..	2	2	4	2	6	..	..	..	..	..	..	..	..	..
Undiagnosed psychoses	3	3	6	..	..	..	..	..	2	3	3	5	..	..	1	..	1	..	..	..	..
Without psychosis	52	14	66	8	1	9	9	3	12	26	5	31	9	2	11	3	3	..	..	..	..
TOTAL	219	167	386	21	10	31	21	28	49	137	78	215	27	29	56	12	21	33	1	1	2

DEGREE OF EDUCATION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Illiterate			Reads and Writes			Common School			High School			College			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
Senile	5	6	11	2	3	5	2	..	2	1	2	3	..	..	..	..	..	..	..	1	1
With cerebral arteriosclerosis	6	..	6	5	..	5	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..
General paralysis	14	6	20	4	1	5	4	1	5	6	3	9	..	..	..	..	..	..	1	1	..
With Huntington's chorea .....	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases	2	..	2	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..
Alcoholic	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..
With pellagra	9	14	23	3	3	6	..	1	1	6	10	16	..	..	..	..	..	..	..	..	..
With other somatic diseases	10	9	19	6	3	9	2	1	3	2	2	4	..	..	..	..	..	..	..	..	..
Manic-depressive	24	31	55	6	6	12	7	2	9	11	18	29	..	1	1	..	1	1	..	3	3
Involution melancholia .....	..	1	1	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Dementia præcox	10	13	23	1	4	5	4	..	4	4	8	12	1	..	1	..	..	..	..	1	1
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Epileptic psychoses	9	3	12	6	1	7	2	..	..	1	2	3	..	..	..	..	..	..	..	..	..
Psychoneuroses and neuroses .....	..	1	1	..	..	..	..	..	2	1	2	3	..	..	..	..	..	..	..	1	1
With mental deficiency	6	2	8	2	1	3	1	..	..	1	3	4	..	..	..	..	..	..	..	..	..
Undiagnosed psychoses	3	..	3	2	..	2	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Without psychosis	9	6	15	7	6	13	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	109	94	203	44	29	73	25	6	31	39	47	86	1	1	2	..	1	1	..	10	10

ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
WHITE RACE

PSYCHOSES	Total			Urban			Rural		
	M	F	T	M	F	T	M	F	T
Senile	7	3	10	2	2	4	5	1	6
With cerebral arteriosclerosis	17	4	21	6	3	9	11	1	12
General paralysis	10	5	15	8	2	10	2	3	5
With cerebral syphilis	1	..	1	..	1	..	..	..	..
With Huntington's chorea .....	..	1	1	..	1	1	..	..	..
With brain tumor	2	..	2	1	..	1	1	..	1
With other brain or nervous diseases	2	1	3	1	1	2	1	..	1
Alcoholic	16	..	16	10	..	10	6	..	6
Due to drugs and other exogenous toxins	1	1	2	1	1	2	..	..	..
With pellagra	6	12	18	3	7	10	3	5	8
With other somatic diseases	9	12	21	2	7	9	7	5	12
Manic-depressive	45	43	88	19	31	50	26	12	38
Involution melancholia	5	14	19	4	7	11	1	7	8
Dementia præcox	17	22	39	5	11	16	12	11	23
Paranoia and paranoid conditions	2	6	8	..	4	4	2	2	4
Epileptic psychoses	8	8	16	4	2	6	4	6	10
Psychoneuroses and neuroses	7	13	20	3	4	7	4	9	13
With psychopathic personality	2	1	3	..	..	2	1	..	3
With mental deficiency	7	4	11	..	1	1	7	3	10
Undiagnosed psychoses	3	3	6	1	1	2	2	2	4
Without psychosis	52	14	66	24	6	30	28	8	36
TOTAL	219	167	386	95	91	186	124	76	200

ENVIRONMENT OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Urban			Rural		
	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	..	..	..	1	..	1
Senile	5	6	11	3	3	6	2	3	5
With cerebral arteriosclerosis	6	..	6	4	..	4	2	..	2
General paralysis	14	6	20	8	2	10	6	4	10
With Huntington's chorea .....	..	1	1	..	1	1	..	..	..
With other brain or nervous diseases	2	..	2	1	..	1	1	..	1
Alcoholic	1	..	1	1	..	1	..	..	..
With pellagra	9	14	23	6	5	11	3	9	12
With other somatic diseases	10	9	19	3	4	7	7	5	12
Manic-depressive	24	31	55	11	14	25	13	17	30
Involution melancholia .....	..	1	1	..	..	..	..	1	1
Dementia Præcox	10	13	23	4	4	8	6	9	15
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	1	1
Epileptic psychoses	9	3	12	5	..	5	4	3	7
Psychoneuroses and neuroses .....	..	1	1	..	..	..	..	1	1
With mental deficiency	6	2	8	2	..	2	4	2	6
Undiagnosed psychoses	3	..	3	2	..	2	1	..	1
Without psychosis	9	6	15	7	5	12	2	1	3
TOTAL	109	94	203	57	38	95	52	56	108

ECONOMIC CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
WHITE RACE

PSYCHOSES	Total			Dependent			Marginal			Comfortable		
	M	F	T	M	F	T	M	F	T	M	F	T
Senile	7	3	10	..	..	..	7	3	10	..	..	..
With cerebral arteriosclerosis	17	4	21	..	1	1	15	2	17	2	1	3
General paralysis	10	5	15	..	..	..	9	5	14	1	..	1
With cerebral syphilis	1	..	1	..	..	..	..	1	..	..	..	..
With Huntington's chorea .....	..	1	1	..	..	..	..	1	1	..	..	..
With brain-tumor	2	..	2	..	..	..	2	..	2	..	..	..
With other brain or nervous diseases	2	1	3	..	..	..	2	1	3	..	..	..
Alcoholic	16	..	16	..	..	..	15	..	15	1	..	1
Due to drugs and other exogenous toxins	1	1	2	..	..	..	..	1	1	..	1	1
With pellagra	6	12	18	..	1	1	6	11	17	..	..	..
With other somatic diseases	9	12	21	..	3	3	8	9	17	1	..	1
Manic-depressive	45	43	88	..	2	2	45	36	81	..	5	5
Involution melancholia	5	14	19	..	..	..	4	13	17	1	1	2
Dementia præcox	17	22	39	..	..	..	17	21	38	..	1	1
Paranoia and paranoid conditions	2	6	8	..	..	..	2	6	8	..	..	..
Epileptic psychoses	8	8	16	..	..	..	8	8	16	..	..	..
Psychoneuroses and neuroses	7	13	20	..	..	..	6	13	19	1	..	1
With psychopathic personality	2	1	3	..	..	..	2	1	3	..	..	..
With mental deficiency	7	4	11	..	..	..	7	4	11	..	..	..
Undiagnosed psychoses	3	3	6	..	..	..	2	3	5	1	..	1
Without psychosis	52	14	66	..	..	..	51	12	63	1	2	3
Total	219	167	386	..	7	7	210	149	359	9	11	20

ECONOMIC CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Dependent			Marginal		
	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	..	..	..	1	..	1
Senile	5	6	11	2	2	4	3	4	7
With cerebral arteriosclerosis	6	..	6	2	..	2	4	..	4
General paralysis	14	6	20	1	2	3	13	4	17
With Huntington's chorea .....	..	1	1	..	..	..	..	1	1
With other brain or nervous diseases	2	..	2	..	..	..	2	..	2
Alcoholic	1	..	1	..	..	..	1	..	1
With pellagra	9	14	23	4	3	7	5	11	16
With other somatic diseases	10	9	19	2	2	4	8	7	15
Manic-depressive	24	31	55	1	4	5	23	27	50
Involution melancholia .....	..	1	1	..	..	..	..	1	1
Dementia præcox	10	13	23	2	5	7	8	8	16
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	1	1
Epileptic psychoses	9	3	12	4	..	4	5	3	8
Psychoneuroses and neuroses .....	..	1	1	..	..	..	..	1	1
With mental deficiency	6	2	8	3	..	3	3	2	5
Undiagnosed psychoses	3	..	3	..	..	..	3	..	3
Without psychosis	9	6	15	3	5	8	6	1	7
TOTAL	109	94	203	24	23	47	85	71	156

USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
WHITE RACE

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile	7	3	10	3	3	6	3	..	3	..	..	..	1	..	1
With cerebral arteriosclerosis	17	4	21	12	4	16	2	..	2	1	..	1	2	..	2
General paralysis	10	5	15	3	5	8	7	..	7	..	..	..	..	..	..
With cerebral syphilis	1	..	1	1	..	1	..	..	..	..	..	..	..	..	..
With Huntington's chorea .....	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..
With brain tumor	2	..	2	1	..	1	1	..	1	..	..	..	..	..	..
With other brain or nervous diseases	2	1	3	1	1	2	..	..	1	1	..	1	..	..	..
Alcoholic	16	..	16	..	..	..	..	..	16	..	16	..	..	..	..
Due to drugs and other exogenous toxins	1	1	2	..	1	1	..	..	1	..	1	..	..	..	..
With pellagra	6	12	18	1	11	12	4	1	5	..	..	..	1	..	1
With other somatic diseases	9	12	21	8	11	19	..	..	1	1	2	..	..	..	..
Manic-depressive	45	43	88	24	41	65	15	1	16	4	1	5	2	..	2
Involution melancholia	5	14	19	3	14	17	1	..	1	1	..	1	..	..	..
Dementia præcox	17	22	39	11	22	33	4	..	4	1	..	1	1	..	1
Paranoia and paranoid conditions	2	6	8	..	6	6	2	..	2	..	..	..	..	..	..
Epileptic psychoses	8	8	16	6	8	14	2	..	2	..	..	..	..	..	..
Psychoneuroses and neuroses	7	13	20	4	12	16	2	..	2	1	1	2	..	..	..
With psychopathic personality	2	1	3	1	1	2	..	..	1	..	1	..	..	..	..
With mental deficiency	7	4	11	4	4	8	3	..	3	..	..	..	..	..	..
Undiagnosed psychoses	3	3	6	1	3	4	1	..	1	..	..	..	..	..	..
Without psychosis	52	14	66	9	12	21	9	..	9	33	2	35	1	..	1
TOTAL	219	167	386	93	160	253	56	2	58	62	5	67	8	..	8

USE OF ALCOHOL BY FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Abstinent			Intemperate		
	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	1	..	1	..	..	..
Senile	5	6	11	5	6	11	..	..	..
With cerebral arteriosclerosis	6	..	6	6	..	6	..	..	..
General paralysis	14	6	20	14	6	20	..	..	..
With Huntington's chorea .....	..	1	1	..	1	1	..	..	..
With other brain or nervous diseases	2	..	2	2	..	2	..	..	..
Alcoholic	1	..	1	..	..	..	1	..	1
With pellagra	9	14	23	8	14	22	1	..	1
With other somatic diseases	10	9	19	10	9	19	..	..	..
Manic-depressive	24	31	55	24	31	55	..	..	..
Involution melancholia .....	..	1	1	..	1	1	..	..	..
Dementia præcox	10	13	23	10	13	23	..	..	..
Paranoia and paranoid conditions .....	..	1	1	..	1	1	..	..	..
Epileptic psychoses	9	3	12	9	3	12	..	..	..
Psychoneuroses and neuroses .....	..	1	1	..	1	1	..	..	..
With mental deficiency	6	2	8	6	2	8	..	..	..
Undiagnosed psychoses	3	..	3	3	..	3	..	..	..
Without psychosis	9	6	15	7	6	13	2	..	2
TOTAL	109	94	203	105	94	199	4	..	4

MARITAL CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
WHITE RACE

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile	7	3	10	1	1	2	3	1	4	3	1	4	..	..	..	..	..	..	..	..	..
With cerebral arteriosclerosis ..	17	4	21	1	1	2	16	1	17	..	1	1	..	1	1	..	..	..	..	..	..
General paralysis	10	5	15	2	..	2	6	2	8	..	3	3	1	..	1	1	..	1	..	..	..
With cerebral syphilis	1	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
With Huntington's chorea .....	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
With brain tumor	2	..	2	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases	2	1	3	..	1	1	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholic	16	..	16	2	..	2	13	..	13	..	..	..	..	..	..	1	..	1	..	..	..
Due to drugs and other exogenous toxins	1	1	2	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..
With pellagra	6	12	18	..	2	2	5	10	15	1	..	1	..	..	..	..	..	..	..	..	..
With other somatic diseases ..	9	12	21	1	1	2	6	5	11	2	6	8	..	..	..	..	..	..	..	..	..
Manic-depressive	45	43	88	12	9	21	29	25	54	2	5	7	2	3	5	..	1	1	..	..	..
Involuntary melancholia	5	14	19	1	3	4	4	9	13	..	2	2	..	..	..	..	..	..	..	..	..
Dementia præcox	17	22	39	14	10	24	2	10	12	..	..	..	..	2	2	..	..	..	1	..	1
Paranoia and paranoid conditions	2	6	8	..	2	2	2	3	5	..	1	1	..	..	..	..	..	..	..	..	..
Epileptic psychoses	8	8	16	5	8	13	2	..	2	..	..	1	..	1	..	..	..	..	..	..	..
Psychoneuroses and neuroses ..	7	13	20	1	2	3	5	10	15	..	..	..	1	1	2	..	..	..	..	..	..
With psychopathic personality ..	2	1	3	..	1	1	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..
With mental deficiency	7	4	11	4	2	6	3	2	5	..	..	..	..	..	..	..	..	..	..	..	..
Undiagnosed psychoses	3	3	6	..	..	..	2	2	4	1	..	1	..	1	1	..	..	..	..	..	..
Without psychosis	52	14	66	14	3	17	29	5	34	2	5	7	6	1	7	1	..	1	..	..	..
TOTAL	219	167	386	58	46	104	134	87	221	11	24	35	11	9	20	4	1	5	1	..	1

MARITAL CONDITION OF FIRST ADMISSIONS CLASSIFIED WITH REFERENCE
TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Single			Married			Widowed			Separated			Divorced			Unascertained		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Senile	5	6	11	1	..	1	3	2	5	1	4	5	..	..	..	..	..	..	..	..	..
With cerebral arteriosclerosis ..	6	..	6	..	..	..	5	..	5	1	..	1	..	..	..	..	..	..	..	..	..
General paralysis	14	6	20	4	1	5	7	..	8	3	3	6	..	..	..	..	..	..	..	1	1
With Huntington's chorea .....	..	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases	2	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholic	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
With pellagra	9	14	23	..	6	6	8	5	13	..	2	2	1	1	2	..	..	..	..	..	..
With other somatic diseases ..	10	9	19	2	..	2	5	4	9	1	2	3	1	3	4	1	..	1	..	..	..
Manic-depressive	24	31	55	18	10	28	6	14	20	..	3	3	..	4	4	..	..	..	..	..	..
Involuntary melancholia .....	..	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Dementia præcox	10	13	23	7	5	12	1	5	6	2	1	3	..	2	2	..	..	..	..	..	..
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..
Epileptic psychoses	9	3	12	6	2	8	2	1	3	..	..	..	1	..	1	..	..	..	..	..	..
Psychoneuroses and neuroses ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
With mental deficiency	6	2	8	5	2	7	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Undiagnosed psychoses	3	..	3	1	..	1	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..
Without psychosis	9	6	15	7	6	13	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1
TOTAL	109	94	203	53	32	85	43	35	78	8	15	23	3	10	13	1	..	1	1	2	3

PSYCHOSES OF READMISSIONS

PSYCHOSES	White Males	White Females	Colored Males	Colored Females	Total
Psychoses with cerebral arteriosclerosis	3	..	1	..	4
General paralysis	3	..	1	..	4
Alcoholic psychoses	3	..	1	..	3
Psychoses with pellagra	1	4	1	..	6
Psychoses with other somatic diseases	1	1	3	..	5
Manic-depressive psychoses	28	23	10	2	57
Involution melancholia	1	..	..	..	1
Dementia præcox	11	11	1	2	31
Paranoia and paranoid conditions	2	1	..	2	5
Epileptic psychoses	4	4	1	3	12
Psychoneuroses and neuroses	1	3	..	..	4
Psychoses with mental deficiency .....	..	2	..	1	3
Without psychosis	8	4	..	..	12
TOTAL	59	53	18	17	147

DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES AND
CONDITION ON DISCHARGE

WHITE RACE

PSYCHOSES	Total			Recovered			Improved			Unimproved			Without Psychosis		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Senile .....	..	2	2	..	..	..	..	1	1	..	1	1	..	..	..
With cerebral arteriosclerosis	3	..	3	1	..	..	1	..	1	1	..	1	..	..	..
General paralysis	2	..	2	..	..	..	1	..	1	1	..	1	..	..	..
With other brain or nervous diseases	1	1	2	..	..	..	1	1	2	..	..	..	..	..	..
Alcoholic	5	..	5	3	..	3	1	..	1	1	..	1	..	..	..
With pellagra	1	2	3	..	2	2	1	..	1	..	..	..	..	..	..
With other somatic diseases	1	3	4	1	1	2	..	2	2	..	..	..	..	..	..
Manic-depressive	12	15	27	5	4	9	6	9	15	1	2	3	..	..	..
Involution melancholia .....	..	3	3	..	..	..	..	2	2	..	1	1	..	..	..
Dementia præcox	4	12	16	..	..	..	4	10	14	..	2	2	..	..	..
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..
Epileptic psychoses	3	1	4	..	..	..	3	..	3	..	1	1	..	..	..
Psychoneuroses and neuroses	4	6	10	1	..	1	2	6	8	1	..	1	..	..	..
With mental deficiency .....	..	2	2	..	1	1	..	1	1	..	..	..	..	..	..
Undiagnosed psychoses	3	..	3	..	..	..	..	..	..	3	..	3	..	..	..
Without psychosis	56	14	70	..	..	..	..	..	..	..	..	..	56	14	70
TOTAL	95	62	157	11	8	19	20	32	52	8	8	16	56	14	70

DISCHARGES OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES AND
CONDITION ON DISCHARGE

COLORED RACE

PSYCHOSES	Total			Recovered			Improved			Unimproved			Without Psychosis		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
Traumatic	1	..	1	..	..	..	1	..	1	..	..	..	..	..	..
Senile .....	..	1	1	..	..	..	..	1	1	..	..	..	..	..	..
With cerebral arteriosclerosis	1	1	2	..	..	..	..	1	2	..	..	..	..	..	..
General paralysis	2	..	2	..	..	..	2	..	2	..	..	..	..	..	..
With cerebral syphilis	2	..	2	..	..	..	2	..	2	..	..	..	..	..	..
Alcoholic	4	..	4	..	..	..	4	..	4	..	..	..	..	..	..
With pellagra	1	5	6	..	4	4	1	1	2	..	..	..	..	..	..
With other somatic diseases	1	2	3	..	1	1	1	1	2	..	..	..	..	..	..
Manic-depressive	7	4	11	7	2	9	..	2	2	..	..	..	..	..	..
Dementia præcox	4	9	13	..	..	..	4	9	13	..	..	..	..	..	..
Epileptic psychoses	3	3	6	..	..	..	3	3	6	..	..	..	..	..	..
With mental deficiency .....	..	4	4	..	2	2	..	1	1	..	1	1	..	..	..
Without psychosis	8	6	14	..	..	..	..	..	..	..	..	..	8	6	14
TOTAL	34	35	69	7	9	16	19	19	38	..	1	1	8	6	14

WHITE RACE

CAUSES OF DEATH	Total			Senile			With cerebral arteriosclerosis			General paralysis			Alcoholic			Manic-depressive			Involution melancholia			Dementia præcox			Paranoia and paranoid conditions			Epileptic psychoses			Psychoneuroses and neuroses			With mental deficiency			All other psychoses		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Epidemic, Endemic and Infectious Diseases	1	1	2	1	..	1	1	1				
Influenza	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Lethargic encephalitis	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Tuberculosis of the respiratory system	3	2	5	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	..	1	..	..	..	..	..	..	..	1	1	2
General Diseases Not Included in Class I	1	1	2	1	..	1	..	1	1				
Cancer and other malignant tumors	1	1	2	1	..	1	..	1	1				
Tumor of brain	2	2	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2
Pellagra	5	5	10	..	..	..	..	..	..	..	..	..	2	2	4	1	1	2	1	1	2	..	..	..	..	..	..	..	..	..	..	1	3	4
Diabetes	1	1	2	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
Alcoholism (acute or chronic).....	2	..	2	..	..	..	..	..	..	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Nervous System	2	4	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	4	6	..	..	..	..	..	..	..	..	..	..	..
Cerebral hemorrhage, apoplexy	3	..	3	..	..	..	..	..	3	..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
General paralysis of the insane	5	2	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Epilepsy	4	3	7	..	..	..	..	..	..	..	..	..	..	..	4	1	5	..	1	1	..	..	..	..	..	..	..	..	..	..	..	1	1	2
Exhaustion from mental excitement	4	3	7	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diseases of the Circulatory System	8	10	18	2	5	7	..	..	..	..	..	..	..	1	1	2	..	..	..	..	2	3	5	..	..	..	..	..	..	..	..	3	1	4
Endocarditis and myocarditis	1	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	2
Other diseases of the heart	21	3	24	3	..	3	15	1	16	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	1	1	..	..	2	2	4	4
Arteriosclerosis	2	1	3	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2
Diseases of the Respiratory System	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lobar pneumonia	7	..	1	..	..	..	1	..	1	..	..	..	2	..	2	1	..	1	..	..	2	..	2	..	..	..	..	..	..	..	..	1	..	1
Non-venereal Diseases of Genito-Urinary System and Annexa	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Nephritis	7	..	1	..	..	..	1	..	1	..	..	..	2	..	2	1	..	1	..	..	2	..	2	..	..	..	..	..	..	..	..	1	..	1
Other Diseases Not Included in Above Groups	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
Induced therapeutic malaria for dementia præcox	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..
TOTAL	68	36	104	6	6	12	16	1	17	3	..	3	6	..	6	7	3	10	1	3	4	11	7	18	..	1	1	4	2	6	1	..	1	..	1	1	13	12	25

CAUSES OF DEATH OF PATIENTS CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
COLORED RACE

CAUSES OF DEATH	Total			Senile			With cerebral arteriosclerosis			General paralysis			Manic-depressive			Dementia præcox			Paranoia and paranoid conditions			Epileptic psychoses			With mental deficiency			All other psychoses		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Epidemic, Endemic and Infectious Diseases																														
Lethargic encephalitis	1	..	1	..	..	..	..	..	..	..	..	..	2	1	3	3	5	8	..	..	..	1	1	..	1	1	..
Tuberculosis of the respiratory system	1	6	8	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	1	..
Syphilis	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Purulent infections, septicæmia	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
General Diseases Not Included in Class I																														
Cancer and other malignant tumors	..	2	2	..	..	..	..	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..	..	1	1	3	9
Pellagra	4	12	16	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	1	1	..	..	..	1	1	3	9
Diseases of the Nervous System																														
Cerebral hemorrhage, apoplexy	..	2	2	..	..	..	..	..	..	12	5	17	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
General paralysis of the insane	12	5	17	..	..	..	..	..	..	12	5	17	..	..	..	..	..	..	3	4	7	..	..	..	3	..	..	
Epilepsy	6	4	10	..	..	..	..	..	..	..	..	..	4	6	10	1	..	1	..	..	..	..	..	..	..	..	..
Exhaustion from mental excitement	6	7	13	1	1	2	..	..	..	..	..	..	4	6	10	1	..	1	..	..	..	..	..	..	..	..	..
Diseases of the Circulatory System																														
Endocarditis and myocarditis	7	3	10	..	..	2	..	2	..	..	..	..	1	1	3	1	4	..	..	..	..	1	1	2	1	..	..	
Other diseases of the heart	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Arteriosclerosis	11	6	17	4	3	7	1	..	1	..	..	..	..	..	..	1	2	..	..	..	..	..	..	..	5	2	7
Other diseases of the circulatory system	4	2	6	..	1	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	4	..	..	
Diseases of the Respiratory System																														
Lobar pneumonia	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Diseases of the Digestive System																														
Appendicitis	1	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Non-venereal Diseases of Genito-Urinary System and Annexa																														
Nephritis	3	2	5	..	2	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	2	..	..	
Other Diseases Not Included in Above Groups																														
Induced therapeutic malaria for dementia præcox	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
TOTAL	62	58	120	5	7	12	4	..	4	12	5	17	7	10	17	9	11	20	..	2	2	3	5	8	1	4	5	21	14	35

AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES

WHITE RACE

PSYCHOSES	Total			15-19 years			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T			
Senile	6	6	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	3	..	3	..	3	..	5	3	8	
With cerebral arteriosclerosis	16	1	17	..	..	..	..	..	..	..	..	..	1	..	1	..	..	1	..	1	..	2	..	2	..	1	..	3	..	3	..	3	..	5	3	8	
General paralysis	3	..	3	..	..	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1	..	2	..	2	..	1	..	3	..	3	..	3	..	4	..	4	
With brain tumor	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases .....	..	1	1	..	..	..	..	..	..	..	..	2	..	2	..	1	1	..	1	1	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Alcoholic	6	..	6	..	..	..	..	..	..	..	..	2	..	2	..	..	1	1	..	1	1	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
With pellagra	1	2	3	..	..	..	..	..	..	1	1	..	..	..	..	1	1	1	..	1	1	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
With other somatic diseases	5	7	12	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	1	1	..	1	1	1	1	5	5	5	5	5	5	5	5	5	5	
Manic-depressive	7	3	10	..	..	..	1	..	1	..	..	1	..	1	1	1	2	..	..	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Involution melancholia	1	3	4	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	1	1	..	..	2	2	2	2	2	2	2	2	2	2	2	2
Dementia praecox	11	7	18	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	2	..	2	4	..	4	1	3	4	..	..	..	1	1	1	1	1	1	1
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1
Epileptic psychoses	4	2	6	..	..	..	1	..	1	2	..	2	1	..	1	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Psychoneuroses and neuroses	1	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With mental deficiency .....	..	1	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1	..	1
Undiagnosed psychoses	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Without psychosis	4	2	6	1	..	1	..	1	1	..	..	..	..	..	..	..	1	1	1	..	1	..	..	..	..	..	..	1	..	1	..	..	..	1	..	1	1
TOTAL	68	36	104	1	..	1	2	1	3	2	1	3	7	..	7	1	8	9	7	..	7	8	2	10	7	3	10	7	7	14	8	6	14	5	1	6	13	7	20

AGE OF PATIENTS AT TIME OF DEATH CLASSIFIED WITH REFERENCE TO PRINCIPAL PSYCHOSES
COLORED RACE

PSYCHOSES	Total			Under 15 years			15-19 years			20-24 years			25-29 years			30-34 years			35-39 years			40-44 years			45-49 years			50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Senile	5	7	12	6		
With cerebral arteriosclerosis	4	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
General paralysis	12	5	17	..	..	..	..	..	..	..	..	..	1	1	2	3	..	3	2	1	3	1	1	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..
With cerebral syphilis	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases ..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With pellagra	3	10	13	..	..	..	..	2	2	1	3	4	..	..	3	3	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With other somatic diseases	13	3	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Manic-depressive	7	10	17	..	..	..	1	..	1	1	..	1	2	2	2	1	2	3	1	2	3	1	2	4	..	4	..	1	1	1	1	1	1	..	..	..	..	..	..
Dementia praecox	9	11	20	..	..	..	..	1	1	..	2	2	2	2	4	1	1	2	4	1	5	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paranoia and paranoid conditions .....	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Epileptic psychoses	1	3	5	..	..	..	..	..	..	1	1	2	..	..	2	2	1	3	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With mental deficiency	1	4	5	..	..	..	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Without psychosis	3	..	3	1	..	1	2	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	62	58	120	1	..	1	3	3	6	3	6	9	4	11	15	7	4	11	8	6	14	6	4	10	9	4	13	3	5	8	1	2	3	8	4	12	2	6	8	7	3	10

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL CLASSIFIED ACCORDING TO PRINCIPAL PSYCHOSES

WHITE RACE

PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years			5-6 years			7-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T						
Senile	6	6	12	3	2	5	..	1	1	1	1	2	..	1	1	..	1	..	1	1	..	1					
With cerebral arteriosclerosis	16	1	17	1	..	1	3	..	3	2	2	2	..	..	..	6	6	2	..	1	2	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..
General paralysis	3	..	3	..	..	..	..	..	..	..	2	2	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With brain tumor	2	..	2	2	..	2	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With other brain or nervous diseases ..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Alcoholic	6	..	6	5	..	5	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With pellagra	1	2	3	..	2	2	1	..	1	..	..	..	..	..	..	2	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
With other somatic diseases	5	7	12	1	2	3	2	2	4	..	1	1	..	..	..	2	1	1	1	1	2	..	..	..	..	1	..	1	..	1	..	1	..	1	..	..				
Manic-depressive	7	3	10	4	..	4	..	..	..	..	..	..	..	..	..	2	2	1	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Involution melancholia	1	3	4	..	1	1	..	..	..	1	..	1	..	1	1	..	..	1	1	..	1	1	1	1	1	1	2	1	1	2	2	..	2	..	..					
Dementia praecox	11	7	18	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..
Paranoia and paranoid conditions .....	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Epileptic psychoses	4	2	6	..	..	..	..	..	..	..	..	1	..	1	1	1	2	2	..	2	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Psychoneuroses and neuroses	1	..	1	1	..	1	1	1					
With mental deficiency .....	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Undiagnosed psychoses	1	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Without psychosis	4	2	6	2	..	2	1	1	2	..	..	..	..	..	1	..	1	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	68	36	104	15	5	20	10	5	15	5	2	7	3	1	4	13	6	19	5	3	8	1	5	6	3	2	5	2	1	3	3	..	3	1	1	2	4	2	6	3	3	6

TOTAL DURATION OF HOSPITAL LIFE OF PATIENTS DYING IN HOSPITAL CLASSIFIED ACCORDING TO PRINCIPAL PSYCHOSES

COLORED RACE

PSYCHOSES	Total			Less than 1 month			1-3 months			4-7 months			8-12 months			1-2 years			3-4 years			5-6 years			7-8 years			9-10 years			11-12 years			13-14 years			15-19 years			20 years and over			
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T				
Senile	5	7	12	2	1	3	1	..	1	1	1	..	3	3	1	1	2	1	..	1	1	1		
With cerebral arteriosclerosis	4	..	4	1	..	1	1	1	..	2	2	1	1	1	1		
General paralysis	12	5	17	2	1	3	1	1	2	4	..	4	2	..	2	2	3	5	1	..	1	1	1		
With cerebral syphilis	1	1	2	1	..	1	..	1	1	1		
With other brain or nervous diseases ..	1	..	1	1	..	1		
With pellagra	3	10	13	3	3	6	..	2	2	3	3	1	1	1	1	
With other somatic diseases	13	3	16	2	1	3	5	..	2	5	2	2	2	2	1	3	1	1	1	1	1	..	1	1	1	2	1	1	
Manic-depressive	7	10	17	2	5	7	..	2	2	2	1	1	2	1	1	1	1	1	
Dementia præcox	9	11	20	1	..	1	..	1	1	1	2	3	2	1	3	1	1	2	..	1	1	..	1	1	..	1	1	2	..	1	1	3	..	3	..	2	..	2		
Paranoia and paranoid conditions	2	2	1	1	1	1	1	1	1	1	1	..	2	2	1	1	..	1	1	
Epileptic psychoses	3	5	8	1	..	1	..	1	1	1	1	1	1	1	1	..	2	2	1	1	..	1	1	1	1	
With mental deficiency	1	4	5	1	..	1	1	1	1	1	1	2	2
Without psychosis	3	..	3	1	..	1	1	1	1	1	..	1	2	2
TOTAL	62	58	120	14	11	25	8	8	16	9	..	9	4	7	11	12	11	23	5	4	9	4	4	8	1	4	5	1	..	1	1	2	3	..	3	3	3	2	5	..	2	..	2

AGES AND DURATION IN HOSPITAL OF THOSE DYING OF PELLAGRA

	Total					15-19 years				20-24 years				25-29 years				30-34 years				35-39 years			
	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total
Less than one month	2	2	4	3	11	..	..	..	..	1	1	..	..	1	1	2	..	1	..	..	1	..	1	..	1
1-3 months	1	..	..	3	4	..	..	..	..	1	1	..	..	..	1	..	..	..	..	..	..	..	..	..	1
4-7 months .....	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
8-12 months	1	1	..	1	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
1-2 years .....	..	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1
3-4 years	1	..	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
7-8 years .....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
12-13 years .....	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	5	5	4	12	26	..	..	..	2	2	..	..	1	2	3	..	1	..	4	5	1	..	..	1	4

AGES AND DURATION IN HOSPITAL OF THOSE DYING OF PELLAGRA—Continued

	40-44 years					45-49 years					55-59 years					60-64 years				
	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total	W. M.	W. F.	C. M.	C. F.	Total
Less than one month	2	..	2	..	..	1	..	1	1	..	..	..	1	..	..	..	..	..
1-3 months	1	..	..	..	..	..
4-7 months	1	..	..	1	..	..	..	..	..
8-12 months	1	..	..	1	1	..	..	..	1
1-2 years	1	1	..	..	..	..	1	..	..	..	..	..
3-4 years	1	..	..	..	1	..	..	..	..	..
7-8 years	1	..	1	..	..	..	..	..
12-13 years	1	1	..	..	..	..	..	..
TOTAL	2	..	2	1	..	1	1	3	2	2	..	1	5	1	..	..	..	1

COMPARISON OF DEATHS FROM PELLAGRA WITH OTHER CAUSES

Month	White Males					White Females					Total White					Colored Males					Colored Females					Total Colored					Total White and Colored				
	Cause of Death			Relative Per Cent		Cause of Death			Relative Per Cent		Cause of Death			Relative Per Cent		Cause of Death			Relative Per Cent		Cause of Death			Relative Per Cent		Death Cause of			Relative Per Cent		Cause of Death			Relative Per Cent	
				100 Pc.					100 Pc.					100 Pc.					100 Pc.					100 Pc.					100 Pc.					100 Pc.	
	Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes			Total	Pellagra	All Other Causes		
October	2	..	2	..	..	3	..	3	..	..	5	..	5	..	..	5	1	4	..	..	6	2	4	..	..	11	3	8	..	..	16	3	13	..	..
November	9	..	9	..	..	2	..	2	..	..	11	..	11	..	..	8	1	7	..	..	13	5	8	..	..	21	6	15	..	..	32	6	26	..	..
December	7	3	4	..	..	3	1	2	..	..	10	4	6	..	..	5	1	4	..	..	1	..	..	..	..	6	1	5	..	..	16	5	11	..	..
January	6	..	6	..	..	4	1	3	..	..	10	1	9	..	..	11	1	10	..	..	5	1	4	..	..	16	2	14	..	..	26	3	23	..	..
February	15	..	15	..	..	6	1	5	..	..	21	1	20	..	..	3	..	3	..	..	10	1	9	..	..	13	1	12	..	..	34	2	32	..	..
March	8	..	8	..	..	3	1	2	..	..	11	1	10	..	..	9	..	9	..	..	9	1	8	..	..	18	1	17	..	..	29	2	27	..	..
April	6	..	6	..	..	4	..	4	..	..	11	..	10	..	..	8	..	8	..	..	3	..	3	..	..	11	..	11	..	..	21	..	21	..	..
May	7	..	7	..	..	7	..	7	..	..	14	..	13	..	..	8	..	8	..	..	3	..	3	..	..	11	..	11	..	..	21	..	21	..	..
June	8	..	8	..	..	4	1	3	..	..	12	1	11	..	..	6	..	6	..	..	6	1	5	..	..	12	1	11	..	..	26	3	23	..	..
TOTAL	68	5	63	7.35	92.65	36	5	31	13.9	86.1	104	10	94	9.61	90.39	62	4	58	6.45	93.55	58	12	46	20.7	79.3	120	16	104	13.3	86.7	224	26	198	11.6	88.4

RESULTS OF PELLAGRINS ADMITTED

	White Males	White Females	Total White	Colored Males	Colored Females	Total Colored	Total White and Colored
Dead	7	6	13	8	4	12	25
Discharged	3	2	5	3	5	8	13
Out on Parole	3	16	19	5	10	15	34
Still in Hospital	7	6	13	5	10	15	28
TOTAL	25	30	55	16	19	35	90

OCCUPATIONS AND DAILY AVERAGE NUMBER OF PATIENTS OCCUPIED

	White Males	White Females	Colored Males	Colored Females	Total
Bakery	12	..	..	..	12
Barber shop	2	..	..	..	2
Broom making	1	..	..	..	1
Carbolizing detail	7	..	..	..	7
Cleaning walls	6	..	..	..	6
Coal pile and detail	23	..	10	..	33
Dairy	1	..	8	..	9
Dental office	1	..	..	..	1
Dining room	74	64	30	76	247
Fancy Work .....	..	28	..	..	28
Farm	30	..	100	..	130
Firemen .....	..	..	3	..	3
Fish detail	12	..	..	..	12
Florist	2	..	2	..	4
Garbage	4	..	4	..	8
Garden, vegetable	4	..	..	..	4
Herdsman .....	..	..	1	..	1
Hog feeders .....	..	..	4	..	4
Kitchen	18	..	30	22	70
Laboratory	2	..	..	..	2
Laundry	1	..	10	61	72
Mattress making	4	..	..	..	4
Musicians	8	..	..	..	8
Offices and halls	2	..	2	..	4
Printers	2	..	..	..	2
Scrubbers	6	..	20	..	26
Sewer cleaners	4	..	2	..	6
Sewing on ward	1	..	..	..	1
Sewing room	4	43	5	55	107
Stairways	4	..	4	..	8
Storeroom	10	..	8	..	18
Trucks and wagons .....	..	..	8	..	8
Vegetable house .....	..	9	..	49	58
Ward work	80	166	30	151	427
Weaving	1	..	..	..	1
Wood yard and cutting	2	..	15	..	17
Yard detail	16	..	15	80	111
TOTAL	344	307	303	494	1448

RESIDENCE OF PATIENTS RECEIVED FROM OCTOBER 1, 1932 THROUGH JUNE 30, 1933

Counties	White Males	Colored Males	White Females	Colored Females	Total
Abbeville	2	4	5	3	14
Aiken	10	4	6	2	22
Allendale	1	..	2	1	4
Anderson	22	1	11	4	38
Bamberg	2	2	1	2	7
Barnwell	1	..	3	2	6
Beaufort .....	..	..	..	5	5
Berkeley .....	..	1	..	3	6
Calhoun	1	2	1	1	6
Charleston	7	2	2	2	19
Cherokee	3	..	11	1	15
Chester	7	..	7	3	17
Chesterfield	11	1	3	1	16
Clarendon	3	..	..	..	3
Colleton	3	1	2	2	8
Darlington	13	4	2	3	22
Dillon	3	1	2	..	6
Dorchester .....	..	..	2	1	3
Edgefield	1	6	1	1	9
Fairfield	7	2	4	1	14
Florence	8	4	8	1	21
Georgetown	2	3	2	3	10
Greenville	30	3	16	5	54
Greenwood	6	5	7	5	23
Hampton	3	2	3	2	10
Horry	2	3	2	..	7
Jasper	3	..	1	2	6
Kershaw	3	4	2	4	13
Lancaster	6	4	3	3	16
Laurens	4	6	11	3	24
Lee	4	4	2	1	11
Lexington	6	3	4	..	13
Marion	3	1	2	4	10
Marlboro	4	..	3	1	8
McCormick	3	1	1	..	5
Newberry	4	2	4	3	13
Oconee	5	2	7	1	15
Orangeburg	6	9	7	5	27
Pickens	5	3	3	2	13
Richland	23	14	15	9	61
Saluda	5	..	1	1	7
Spartanburg	18	9	28	7	62
Sumter	7	5	5	5	22
Union	2	2	4	1	9
Williamsburg	4	3	3	5	15
York	13	1	5	2	21
TOTAL	278	127	220	111	736

RESIDENCE OF PATIENTS PRESENT JUNE 30, 1933

Counties	White Males	Colored Males	White Females	Colored Females	Total
Abbeville	12	14	21	14	61
Aiken	28	27	29	22	106
Allendale	13	11	3	4	31
Anderson	59	23	69	28	184
Bamberg	4	9	6	20	39
Barnwell	8	19	5	18	50
Beaufort	1	13	4	6	24
Berkeley	1	14	14	9	38
Calhoun	9	17	4	11	41
Charleston	51	63	52	65	231
Cherokee	14	7	25	8	54
Chester	26	18	18	22	84
Chesterfield	23	10	19	11	63
Clarendon	11	11	14	21	57
Colleton	20	15	14	16	65
Darlington	17	21	21	19	78
Dillon	13	3	14	7	37
Dorchester	4	8	8	15	35
Edgefield	3	16	6	11	36
Fairfield	5	14	7	12	38
Florence	25	25	29	37	116
Georgetown	4	18	5	24	51
Greenville	69	25	69	26	189
Greenwood	21	23	24	19	87
Hampton	5	9	9	10	33
Horry	15	10	13	6	44
Jasper	4	7	2	9	22
Kershaw	19	13	11	21	64
Lancaster	13	9	18	10	50
Laurens	29	25	28	11	93
Lee	8	9	10	8	35
Lexington	17	9	25	9	60
Marion	7	13	15	16	51
Marlboro	6	14	17	23	60
McCormick .....	..	9	2	4	15
Newberry	8	14	17	11	50
Oconee	21	9	22	4	56
Orangeburg	15	35	26	36	112
Pickens	24	6	18	9	57
Richland	59	54	73	64	250
Saluda	6	3	10	6	25
Spartanburg	73	34	82	42	231
Sumter	18	22	17	28	85
Union	18	12	20	5	55
Williamsburg	11	21	7	21	60
York	31	15	31	27	104
TOTAL	848	781	953	825	3,407

TREASURER'S REPORT

Columbia, S. C., June 30, 1933.

Dr. C. F. Williams, Superintendent, South Carolina State Hospital, Columbia, S. C.

Dear Sir: The financial report for the year July 1, 1932, to June 30, 1933, is herewith respectfully submitted.

From the appropriation of \$1,020,000.00 for the period January 1, 1933, to June 30, 1934, we have spent \$337,932.43, which is \$2,067.57 less than one-third.

This is gratifying, but, since the National Industrial Recovery Act became operative (August 1), and the increased cost incident to it as well as that incident to the processing tax on wheat products and cotton products has taken effect, we see that we shall not be able to live on the amount appropriated for the twelve months beginning July 1, 1933, if the prices prevailing since August 1, 1933, continue.

By reference to the income and expenditure table, you will observe that \$13,365.27 of our Revolving Fund was used to supplement the \$60,000.00 appropriated to pay the 1932 bills, which the 15% cut in our appropriation, made by the State Finance Committee, left unpaid.

COST OF OPERATION

Income for the twelve months ended June 30, 1933, is as follows:

From paying patients	\$14,661.34
From dairy and farms	159.82
From diversional occupation department	147.00
From sundry sources	491.61

The expenditure for maintenance is \$714,567.64.

The daily average population is 3,387, and daily per capita cost is .5780.

FARM OPERATIONS

Each of the farms, and the dairy, shows a profit. The drought of the summer of 1932 is reflected in the small gains made by the Moore and Pel farms.

The total gain made by these activities is \$13,503.97.

The progress made in the development of our dairy herd is also gratifying. The record made by several of the cows has brought the herd to a place among the best in the South. This achievement is encouraging from the angle of profit in prospect from sales of breeding stock as well as from that of adequate supply of milk.

Yours respectfully,

H. T. PATTERSON,
Treasurer.

GENERAL INFORMATION

1. Date of **opening** as an institution for the insane: December 8, 1827.
2. Type of institution: State.
3. Hospital plant:

Value of hospital property:

Real estate including buildings	\$2,834,791.15
Personal property	252,167.14
Total	\$3,086,958.29
Total acreage of hospital property owned	2,709.67
(Includes grounds, farms, gardens and sites occupied by buildings.)	
Additional acreage rented (woods for shade)	3
Total acreage under cultivation during previous year....	886
(Includes land owned and rented.)	

4. OFFICERS AND EMPLOYEES

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	..	1	..	..	..
Assistant physicians	14	1	15	..	..	..
Medical internes .....	..	..	..	2	..	2
Clinical assistants .....	..	..	..	..	..	..
Total physicians	15	1	16	2	..	2
Stewards	2	..	2	..	..	..
Resident dentists	1	..	1	..	..	..
Graduate nurses .....	..	31	31	..	..	..
Other nurses and attendants	130	154	284	..	..	..
Teachers of occupational therapy	1	5	6	..	..	..
Social workers .....	..	2	2	..	..	..
All other officers and employees..	189	48	237	..	..	..
Total officers and employees	339	241	580	2	..	2

	M.	F.	T.
5. Patients employed in industrial classes or in general hospital work on date of report ..	647	801	1448
6. Average daily number of all patients actually in institution during year	1622	1765	3387
7. Voluntary patients admitted during year	15	4	19
8. Persons given advice or treatment in out-patient clinics during year	377	317	694

FINANCIAL STATEMENT FOR THE FISCAL
YEAR ENDED JUNE 30, 1933

Receipts

Balance on hand from previous fiscal year	\$ 41,005.36
Received from appropriations	693,618.52
Received from paying patients	14,661.34
Received from all other sources	798.43
	<hr/>
Total receipts	\$750,083.65

Disbursements

1. Expenditures for maintenance of patients:	
Salaries and wages	\$313,473.06
Provisions (food)	202,676.99
Fuel, light and water	52,979.39
All other expenditures for maintenance	145,438.20
Total expenditures for maintenance	\$714,567.64
2. Expenditures for all purposes other than maintenance including new buildings other additions and permanent betterments	6,005.36
Total expenditures	\$720,573.00
Amount returned to State Treasurer or other officials:	None
Balance on hand at close of year	29,510.65
	<hr/>
Total disbursements, including balance on hand	\$750,083.65

Receipts

Revolving fund from previous year	\$ 35,000.00
1931-1932 balance for permanent improvement	6,005.36
From paying patients	14,661.34
From dairy and farms	159.82
From diversional occupation department	147.00
From sundry sources	491.61
From 1932-1933 Appropriation:	
Maintenance	\$641,763.85
Dairy	26,001.98
Columbia Farm	8,446.52
Moore Farm	5,362.08
Pel Farm	12,044.09
	<hr/>
Total receipts	\$750,083.65

Disbursements

Paid for following activities:

Maintenance	\$662,645.19
Dairy	26,045.73
Columbia Farm	8,446.52
Moore Farm	5,362.08
Pel Farm	12,068.12
Permanent improvement	6,005.36
Balance fees in hand of State Treasurer, June 30, 1933	7,866.92
Revolving fund on hand at close of fiscal year	21,643.73
Total disbursements	\$750,083.65

DAIRY REPORT 1932-'33

Credits

Animals caught in fields	\$ 2.50
Animals sold	3,737.49
Beef: 5,278 pounds @ .09 and .10	479.01
Compost	18.23
Feed sold	4.05
Hides and tallow	14.76
Milk: 148,994.9344 gallons @ .25 to Hospital	37,248.73
Refunds	24.31
Sacks (empty)	183.55
Seeds and plants sold	2.64
Shucks	5.06
Pure bred cattle on hand June 30, 1933	17,795.00
Grade cattle on hand June 30, 1933	4,440.00
Work animals (6) on hand June 30, 1933	695.00
Dairy and farm implements on hand June 30, 1933	1,577.09
Fertilizer on hand June 30, 1933	112.87
Feed on hand June 30, 1933	5,087.16
	<hr/>
	\$ 71,427.45

DAIRY REPORT 1932-'33

Debits

Pure bred cattle on hand July 1, 1932	\$ 15,990.00
Grade cattle on hand July 1, 1932	5,445.00
Work animals (6) on hand July 1, 1932	745.00
Dairy and farm implements on hand July 1, 1932	1,676.42
Fertilizer on hand July 1, 1932	68.24
Feed on hand July 1, 1932	8,591.09
Agricultural and botanical supplies	424.33
Animals purchased	300.00
Bedding	275.71

Board of attendants and laborers	1,864.75
Depreciation of plant	675.25
Equipment	67.39
Feed	16,208.27
Freight and express	1,507.54
Hauling, etc.	631.45
Horse shoeing	50.75
Insurance on buildings and livestock	465.50
Interest on amount invested in cattle	540.00
Kerosene, gasoline and oil	104.40
Materials for repairs to equipment, etc.	341.82
Milk cans, hose, cotton disc, brushes, cheese cloth, etc.	234.52
Office supplies	16.34
Pasture	499.44
Pay roll	7,262.51
Plowing (tractor)	289.91
Registration fees	90.20
Rent of land (102.48 acres @ \$4.00, plus cabins)	427.92
Seeds and plants	308.76
Slaughtering	13.60
Subscriptions to magazines	1.00
Testing cows for advanced registry	166.48
Veterinarian and veterinary supplies	98.13
Balance in favor of Dairy	6,045.73
	<hr/>
	\$ 71,427.45

COLUMBIA FARM REPORT 1932-'33

Credits

Beans (string) 21.99 bushels @ .75 and \$2.00	\$ 31.13
Beets: 221.56 bushels @ \$1.50	332.34
Cabbage: 41,687 pounds @ .025	1,042.18
Cane seed	7.00
Carrots: 214.3 bushels @ \$1.00 and \$1.25	255.10
Chitterlings	27.75
Collards: 48,248 pounds @ .015	723.72
Compost	1,394.27
Corn (shelled): 112.82 bushels @ .45 and .65	56.93
Corn (roasting ear): 712.7 dozen @ .15	106.91
Cucumbers: 46.3 bushels @ .70 and .75	33.48
Ensilage: 600 tons @ \$4.50	2,700.00
Feed sold .....	.75
Hay	1,551.55
Hogs sold	36.39
Honey: 52 pounds @ .0675	3.51
Lettuce: 636 dozen @ .40	254.40
Oats: 7½ bushels @ .50	3.75
Okra: 668 bushels @ \$1.00 and \$1.50	780.00

Onions (spring): 1,177.26 bushels @ .85 and .9375	1,090.25
Onions (dry): 408.1 bushels @ .85	346.89
Peas (green, field): 27.5 bushels @ .40	11.00
Peas (English): 31.6 bushels @ \$1.50	47.40
Pepper: 92.12 bushels @ .75	69.10
Plants and seeds sold	2.20
Pork: 64,919 pounds @ .08 and .09	5,207.69
Potatoes (Irish): 518 bushels @ .80 and \$1.00	511.65
Refunds	11.04
Sacks (empty)	160.96
Salad: 488.9 bushels @ .40 and .75	286.21
Shucks	35.10
Slaughtering	101.80
Spinach: 60.5 bushels @ \$1.00	60.50
Squash: 404.29 bushels @ .75 and \$1.00	380.31
Tomatoes: 148.79 bushels @ .75 and \$1.50	111.86
Turnips: 1,615.5 bushels @ .50	807.75
Bees on hand June 30, 1933	5.00
Implements and machinery on hand June 30, 1933	1,196.90
Fertilizer on hand June 30, 1933	131.42
Hogs on hand June 30, 1933	3,295.00
Work animals (11) on hand June 30, 1933	1,435.00
Feed and seed on hand June 30, 1933	2,301.00
	<hr/>
	\$ 26,947.19

COLUMBIA FARM REPORT 1932-'33

Debits

Implements and machinery on hand July 1, 1932	\$ 1,137.90
Fertilizer on hand July 1, 1932	172.61
Hogs on hand July 1, 1932	3,476.00
Work animals (11) on hand July 1, 1932	1,565.00
Feed and seed on hand July 1, 1932	2,165.00
Agricultural and botanical supplies	990.26
Bedding	989.66
Board of attendants and laborers	1,274.00
Depreciation on buildings	500.00
Equipment	11.75
Freight and express	237.43
Garbage	1,402.22
Hauling	104.39
Horse shoeing	33.75
Insurance on buildings and livestock	351.93
Interest on amount invested in hogs	36.00
Kerosene, gasoline, oil	120.00
Materials for repairs to equipment, etc.	341.63
Rope, twine, axle grease, cans, brushes, etc.	132.59
Office supplies	9.50

Pay roll	5,510.11
Plowing (tractor)	304.12
Rent of land (154.02 acres @ \$4.00, plus cabins)	754.08
Seeds and plants	224.47
Veterinarian and veterinary supplies	186.94
Balance in favor of Columbia Farm	4,915.85
	<hr/>
	\$ 26,947.19

MOORE FARM REPORT 1932-'33

Credits

Beans (string): 41.5 bushels @ .75	\$ 31.13
Beans (butter, in hull): 72 bushels @ \$1.00	72.00
Beets: 65 bushels @ \$1.00 and \$1.50	93.50
Cabbage: 38,985 pounds @ .025	974.63
Cantaloupes: 355 dozen @ .40	142.00
Corn (roasting ear): 1,151 dozen @ .15	172.65
Corn (shelled): 1,131.8 bushels @ .50	565.90
Cucumbers: 58 bushels @ .70 and .75	42.10
Hauling	245.00
Hay	1,240.30
Hogs sold	107.31
Oats: 152 bushels @ .38 and .50	69.76
Okra: 159.5 bushels @ \$1.00 and \$1.50	160.00
Onions (spring): 238 bushels @ .9375	223.13
Pasture	499.44
Peas (dry, field): 130.5 bushels @ .50 and .60	73.10
Peas (green, field): 321 bushels @ .40 and \$1.25	166.60
Pea hulls	7.71
Plants and seeds sold	9.81
Potatoes (Irish): 224 bushels @ \$1.00	224.00
Potatoes (sweet): 1,751 bushels @ .30 and .75	714.75
Radishes: 54 bushels @ .65	35.10
Salad: 1,073- $\frac{2}{3}$ bushels @ .75	805.25
Shucks	61.34
Spinach: 20 bushels @ .75	15.00
Squash: 93.5 bushels @ .75 and \$1.00	86.42
Tomatoes: 319.5 bushels @ .75 and \$1.50	243.00
Turnips: 1,668 bushels @ .50	834.00
Watermelons: 3,708 @ .10	370.80
Implements and machinery on hand June 30, 1933	1,665.30
Work animals (16) on hand June 30, 1933	1,990.50
Hogs on hand June 30, 1933	228.19
Feed and seed on hand June 30, 1933	838.25
Fertilizer on hand June 30, 1933	104.09
	<hr/>
	\$ 13,137.56

MOORE FARM REPORT 1932-'33

Debits

Implements and machinery on hand July 1, 1932	\$ 1,765.20
Work animals (16) on hand July 1, 1932	2,167.50
Hogs on hand July 1, 1932	335.50
Feed and seed on hand July 1, 1932	873.00
Fertilizer on hand July 1, 1932	57.45
Agricultural and botanical supplies	1,981.13
Board of attendants	306.00
Compost	19.35
Depreciation of plant	200.00
Equipment	16.35
Feed	1.49
Freight and express	4.30
Gasoline, kerosene and oil	15.05
Horse shoeing	35.10
Insurance on buildings and livestock	92.72
Materials for repairs to equipment, etc.	61.31
Miscellaneous supplies	33.33
Office supplies	5.00
Pay roll	3,051.15
Plowing	40.95
Rent of land (371 acres @ \$2.00 plus cabins) ..	1,030.00
Seeds and plants	217.60
Veterinarian and veterinary supplies	12.80
Balance in favor of Moore Farm	815.28
	<hr/>
	\$ 13,137.56

PEL FARM REPORT 1932-'33

Credits

Beef: 27,068 pounds @ .09	\$ 2,457.45
Cantaloupes: 1,217 dozen @ .40	486.80
Compost	810.00
Corn (shelled): 77 bushels @ .45 and .50	37.80
Feeding Hospital team (3 head) and employees' cows and hogs	672.00
Hauling	274.50
Hides and tallow	60.11
Milk: 54,229.34 gallons @ .25 to Hospital	13,557.34
Mutton: 970 pounds @ .12	116.40
Peaches: 79 bushels @ .75	59.25
Peas (dry): 59.8 bushels @ .60	35.88
Pork: 11,035 pounds @ .08 and .09	895.00
Potatoes (Irish): 830 bushels @ .80	664.00
Potatoes (sweet): 2,307 bushels @ .30	692.10
Refunds	1.17
Watermelons: 8,925 @ .10	892.50

Implements and machinery on hand June 30, 1933	2,069.05
Hogs on hand June 30, 1933	1,259.25
Feed and seed on hand June 30, 1933	2,464.50
Fertilizer on hand June 30, 1933	49.50
Work animals (20) on hand June 30, 1933	2,850.00
Cattle on hand June 30, 1933	7,375.00
Goats on hand June 30, 1933	579.00
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	\$ 38,358.60

PEL FARM REPORT 1932-'33

Debits

Implements and machinery on hand July 1, 1932	\$ 1,959.34
Hogs on hand July 1, 1932	1,753.00
Feed and seed on hand July 1, 1932	3,445.87
Work animals (20) on hand July 1, 1932	3,040.00
Cattle on hand July 1, 1932	6,800.00
Goats on hand July 1, 1932	346.00
Agricultural and botanical supplies	2,650.07
Bedding	61.34
Board of attendants	408.00
Cattle	3,615.00
Compost	19.35
Depreciation of plant	200.00
Equipment	188.68
Feed	4,788.65
Freight and express	88.92
Garbage	136.08
Hauling, etc.	72.45
Hogs purchased	75.00
Horse shoeing	65.10
Insurance on buildings and livestock	228.55
Interest on amount invested in cows	250.00
Interest on amount invested in hogs	12.00
Materials for repairs to equipment, etc.	243.66
Twine, brushes, cans, buckets, axle grease, etc.	142.11
Pay roll	4,119.31
Plowing (tractor)	249.15
Rent of land (412 acres @ \$2.00 plus cabins)	1,040.00
Seeds and plants	435.55
Slaughtering	79.00
Veterinarian and veterinary supplies	119.38
Balance in favor of Pel Farm	1,727.11
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	\$ 38,358.60